Insert field notes after p. 51 of Field Book I.

References used on Field Trip to Southern Appalachians, Sept-Oct, 1958.

Cooper, B.N., 1950. Ky. Geol. Soc. 1950. Field Excursion in S.W. Va. May 5, 6, 7.

———, 1944. Geol. & Min. Res. of Bunches Harden D, Va. Va. Geol. Surv., Bull. 60.

Prouty, C.E., Lower Middle Ord. of S.W. Va. & N.E. Tenn. A.A.P.G. Bull. 30, No. 7, 1946 p. 1140.

Wilson, Charles W. Jr. 1953. Annot. Bibliog. of Geol. of Tenn. Trans Dec, 1950. Bull. 59. State of Tenn.

Rodgers, Lee Valley □, Bull. 55 mi text. Dis 1943 Geol. Map of Copper Ridge district. Prelim. Map. P.N. 31476 Dec. USGS Hancock & Grainger Co.

Map of Friendsville Marble Dep. of E. Tenn. Bull 28.

Dunlap, 1945. U.S.G.S. Prel. Sheet. Tenn. Minerals Inv. 3-191. Map and Friendsville

Kay, Marshall, 1956. Ord. Lates in the western anticlines of the Appalachians in W. Va. + Va. northeast of the New R. G.S.A. Bull. 67, pp 55-106 hists type loc. of Lois. ~~strom~~

Neuman, R.B., 1955. M. Ord. Rx. of the Tellico-Sevier Belt Eastern Tenn. G.S. Prof. Paper. 274-F.

Wilson, Charles W., Jr. 1958,
Guidebook to Geol. along
Tenn. Highways. State of
Tenn. Dept. of Conservation
Div. of Geology. Dept. of
Investigations No. 5.

U.S. Dept. Interior. Index to Topographic Mapping in Tenn. March, 1955.

Ibid. Va. Jan., 1955.

Rodgers, J. & Kent, Deane F., 1948.
Stratigraphic Sect. at Lee
Valley, Hawkins Co, Tenn
State of Tenn., Dept. of Conservat.
Div. of Geol. Bull. 55.
Nashville, Tenn.

Rodgers, J., 1953. Geol. Map of
East Tenn. with
explanatory text.
Tenn. Dept. of Conservation.
Div. of Geology. Bull 58.

Huffman, L. L., 1945. M. Ord.
Rates from Lee Co., Va., to
Central Ky., Ill. Geol. vol. 53,
May. p. 145-174.

Butts, Ch., 1933. Geol. Map of the Appalachian Valley of Va. with Explanatory Text. Va. Geol. Surv. Bull 42.

Butts, Ch., Stose, G.W. & Jonas, A.I., 1932. Int. Geol. Congress. 16th Session U. States, 1933, Guidebook 3; Excursion A-3. Southern Appalachian Region

October 1, 1958.

Excursion into Conasauga
Valley as mapped by
Neuman, K.B., 1955. Geol.
Surv. Prof. Paper 274-F

South from Maryville
on route 129 after turning
off US 411 at Clover Hill
began inspecting rocks at
north edge of Valhalla
quadrangle on route 129
Western side of 129

6 mi. S of junct US 411 & 129 (Shelf limestone
slate & dolomite etc. ± 15 ft
thick). Overlying unit is

massive blue-grey dolomite with chert which weathers to black chips — Newell?

Vonore ☐, Tenn

See Neuman's paper,
U.S. Prof. Paper 274-F
Sketch maps p. 159
Chota School vicinity
Locality V013 (Neumann) -
10/7/58/1a

Quartzose calcarenite; basal beds of Chota fm

Calcarenite lens in more massive granular date with thin lens of silt with

abundant biotite (N.S. says biotite derived from rapidly crooled hornfels.) Calcarenite lens frequently set in orange red shale. Trepo. & cryps abundant. Difficult to break out of massive blocks. Cryps. like Stictopora with similar branching but rounded branches instead of denticulate as stems.

[lithology similar to stone calcarenite overlying Red Knobs "marble" member in Faiendaville area.

10/7/58/1b. Between house & barn on south side of Diamond Branch, 4 56th S.W. of Neuman's locality C18. Massive grey late with trep colonies

10/7/58/1c = Neuman's locality C18. Grey late weathering silt cobbles, as argillaceous cement breaks down. Bry. abundant but very fragmentary. Small black cylindrical trep. abundant

Geologic Section H. Neuman, p. 161. (Paper part of Series Fm.

Section begins at Nelson Chapel & extends along road in direction S15E Many intervals covered. We located unit 15 but not many bryozoa observed Fragmented shell debris in oolitic late.

Along Limeade Hy 72 1.8 mi. S.S.E. of Chota School Strongly contorted massive silty late & sh.; beds 5'-10' thick; slickensiding along bedding planes. Bays fm. Photograph.

Turn off to Union Grove Church on Tenn. Hy. 72.

Tellico Fm. exposed.

Lt. grey silty calcareous shale; thin bedded, micaceous platy, weathering to a yellow soil. Thin lens 1" thick of grey late in shale but not well exposed. No fossils

To Togua Church

Powell Station D,
Tenn.